



DI / DS water-preparation plant

DI 250

Fully integrated water processing plant for the supply of process water to one or more cleaning systems.



Part No. 090500-DI250

The use of process water / DI- / DS-water is indispensable for the rinsing loops of cleaning systems used for the cleaning of PCBs / DCBs / Hybrids. Already with a consumption of >100 liters of process water / DI- / DS-water with a conductivity of < 5µS such water quality could be - for economical reasons - produced using a reverse-osmosis technology.

Kolb DI 250 is a process-water / DI-water / DS-water preparation plant with a buffer container of 250 liters capacity. This plant is able to supply several pre-connected consumers / cleaning systems. As option this buffer container can be equipped with a heater and a circulation pipeline. **Kolb DI 250** operates in 4 stages: 1. Softening unit (brine), 2. Reverse-osmosis unit, 3. Desalination unit (tank 1, 250 l), 4. DI / DS-water buffer (tank 2, 250 l)

Supplied raw water will be softened in a softening-unit (brine) and subsequently desalinated in the reverse-osmosis unit. The desalination loop provides via a resin cartridge the pre-determined water quality (measured in µS) in process tank 1 with a permanent fine filtration and UV-treatment in the loop. The pre-determined DI-water / DS-water will then be pumped into a second buffer tank (tank 2) ready for consumption by the connected systems. This tank will also be permanently looped through a fine filtration and UV-treatment. As option here it is possible to warm-up the water and provide a circulation pipeline to the consumers.

- Fully-automatic process
- 250 L DI/DS-water buffer tank
- Option heater and circulation pipeline is available
- Process- and Maintenance interval PLC-controlled
- Integrated pump-out system to the sewerage network for the concentrate
- UV-treatment double loop
- Desalination loop with 250 l permeate buffer tank
- Reverse-Osmosis plant 200 l / h extendable to 400 l / h
- Fine filtration in all process loops
- Automatic double desalination with brine buffer tank
- Maintenance access easy through door in the system front side
- Stainless steel construction of the corpus
- Foot print of system including reservoir in mms: width approx. 2010, depth approx. 1600, height approx. 1720 (2264 with status light)

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